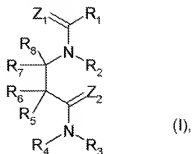


AMENDMENT TO THE CLAIMS:

1. (Currently Amended) A compound of the formula



in which

Z_1 is an oxygen atom; or a sulfur atom;

Z_2 is an oxygen atom; or a sulfur atom;

R_1 is ~~an aryl or heteroaryl group, which is unsubstituted or substituted; a phenyl or naphthyl group, which is substituted independently by 1 or 2 substituents R_8 and optionally further substituted independently by 1 to 3 substituents R_9 ; or~~

R_1 is heteroaryl composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur, which heteroaryl is unsubstituted or substituted independently by 1 to 4 substituents R_8 ;

R_2 is hydrogen; or an organic substituent; a C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl or C_3 - C_6 cycloalkyl group, which group is unsubstituted or substituted independently by one or more substituents, selected from the group, consisting of the substituents R_8 ; a group $C(=O)R_4$; or a group $C(=S)R_4$;

R_3 is hydrogen; or an organic substituent; a C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl or C_3 - C_6 cycloalkyl group, which group is unsubstituted or substituted independently by one or more substituents, selected from the group, consisting of the substituents R_8 , C_1 - C_6 alkoxy; halo- C_1 - C_6 alkoxy; C_3 - C_6 cycloalkoxy; C_1 - C_6 alkylthio; halo- C_1 - C_6 alkylthio; C_1 - C_6 alkylamino; halo- C_1 - C_6 alkylamino; di- C_1 - C_6 alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and

optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₆alkyl and C₁-C₆alkoxy, di-(halo-C₁-C₆alkyl)-amino, in which the two haloalkyl groups are the same or different; C₃-C₆cycloalkylamino; N-(C₁-C₆alkyl)-N-(C₃-C₆cycloalkyl)-amino; C₁-C₆alkoxycarbonyl; halo-C₁-C₆alkoxycarbonyl; C₁-C₆alkylcarbonyl or halo-C₁-C₆alkylcarbonyl;

R₄ is hydrogen; or an organic substituent; a substituent R₁; a substituent R₆; a C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl or C₃-C₆cycloalkyl group, which group is unsubstituted or substituted independently by one or more substituents, selected from the group, consisting of the substituents R₃, the substituents R₆ and a phenyl, benzoyl, phenoxy or heteroaryl group composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur, which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of the substituents R₆; a group CH₂OR₁; a group CH₂SR₁; a group CH₂NHR₁, which group is optionally further substituted at the nitrogen atom by C₁-C₆alkyl or halo-C₁-C₆alkyl; C₁-C₆alkoxy, halo-C₁-C₆alkoxy; C₃-C₆cycloalkoxy; a group OR₁; C₁-C₆alkylthio; halo-C₁-C₆alkylthio; a group SR₁; C₁-C₆alkylsulfanyl; halo-C₁-C₆alkylsulfanyl; C₁-C₆alkylsulfonyl; halo-C₁-C₆alkylsulfonyl; C₁-C₆alkylamino; halo-C₁-C₆alkylamino; di-C₁-C₆alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₆alkyl and C₁-C₆alkoxy; di-(halo-C₁-C₆alkyl)-amino, in which the two haloalkyl groups are the same or different; C₃-C₆cycloalkylamino; N-(C₁-C₆alkyl)-N-(C₃-C₆cycloalkyl)-amino; a group NHR₁, which group is optionally further substituted at the nitrogen atom by C₁-C₆alkyl or halo-C₁-C₆alkyl; a group C(=O)R₄; a group C(=O)R₆; a group C(=S)R₄; or a group C(=S)R₆;

or R₃ and R₄, taken together, form, together with the nitrogen atom, to which they are attached, a ring which is unsubstituted or substituted; containing 1 ring nitrogen atom and 2 to 6 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy.

R₅ is cyano; nitro; halogen; C₁-C₆alkyl; halo-C₁-C₆alkyl; C₁-C₆alkoxy-C₁-C₆alkyl; C₂-C₆alkenyl; halo-C₂-C₆alkenyl; C₂-C₆alkynyl; halo-C₂-C₆alkynyl; C₃-C₆cycloalkyl; halo-C₃-C₆cycloalkyl; hydroxy; C₁-C₆alkoxy; halo-C₁-C₆alkoxy; C₃-C₆cycloalkoxy; mercapto; C₁-C₆alkylthio; halo-C₁-C₆alkylthio; C₁-C₆alkylsulfinyl; halo-C₁-C₆alkylsulfinyl; C₁-C₆alkylsulfonyl; halo-C₁-C₆alkylsulfonyl; amino; C₁-C₆alkylamino; halo-C₁-C₆alkylamino; di-C₁-C₆alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy; di-(halo-C₁-C₆alkyl)-amino, in which the two haloalkyl groups are the same or different; C₃-C₆cycloalkylamino; N-(C₁-C₆alkyl)-N-(C₃-C₆cycloalkyl)-amino; carboxy; C₁-C₆alkoxycarbonyl; halo-C₁-C₆alkoxycarbonyl; aminocarbonyl; C₁-C₆alkylaminocarbonyl; halo-C₁-C₆alkylaminocarbonyl; di-C₁-C₆alkylaminocarbonyl, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy; di-(halo-C₁-C₆alkyl)-aminocarbonyl, in which the two haloalkyl groups are the same or different; C₁-C₆alkylcarbonyl; halo-C₁-C₆alkylcarbonyl; or tri-C₁-C₆alkylsilyl, in which the three alkyl groups are the same or different;

or 2 substituents R_8 , which are attached to adjacent carbon atoms, taken together, are $-(CH_2)_3-$, $-(CH_2)_4-$, $-(CH_2)_5-$, $-(CH=CH)_2-$, $-OCH_2O-$, $-O-(CH_2)_2O-$, $-OCF_2O-$, $-(CF_2)_2O-$, $-O-(CF_2)_2-$, or $-O-(CF_2)_2O-$.

R_9 is halogen, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkoxycarbonyl, or a phenyl, benzyl, phenoxy or heteroaryl group composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur,

which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of the substituents R_3 ;

R_c is a substituent R_3 , or a phenyl, benzyl, benzoyl, phenoxy or heteroaryl group composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur, which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of the substituents R_3 ;

R_d is a substituent R_1 , C_1 - C_6 alkyl, halo- C_1 - C_6 alkyl, C_1 - C_6 alkoxy- C_1 - C_6 alkyl, a group CH_2R_1 , a group CH_2OR_1 , a group CH_2SR_1 , a group CH_2NHR_1 , which group is optionally further substituted at the nitrogen atom by C_1 - C_6 alkyl or halo- C_1 - C_6 alkyl; C_2 - C_6 alkenyl, halo- C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, halo- C_2 - C_6 alkynyl; C_3 - C_6 cycloalkyl, halo- C_3 - C_6 cycloalkyl; C_1 - C_6 alkoxy, halo- C_1 - C_6 alkoxy; C_3 - C_6 cycloalkoxy; a group OR_1 ; C_1 - C_6 alkylthio, halo- C_1 - C_6 alkylthio, a group SR_1 , C_1 - C_6 alkylamino, halo- C_1 - C_6 alkylamino; di- C_1 - C_6 alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C_1 - C_4 alkyl and C_1 - C_4 alkoxy; di-(halo- C_1 - C_6 alkyl)-amino, in which the two haloalkyl groups are the same or

different C_3 - C_6 cycloalkylamino; N -(C_1 - C_6 alkyl)- N -(C_3 - C_6 cycloalkyl)-amino; or a group NHR_1 , which group is optionally further substituted at the nitrogen atom by C_1 - C_6 alkyl or halo- C_1 - C_6 alkyl;

R_2 is a carbocyclyl or heterocyclyl group, which group is monocyclic or bicyclic and is non-aromatic, in which group 1 or 2 of the ring members are optionally selected from the group, consisting of the groups $C(=O)$, $S(=O)$ and $S(=O)_2$, and which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C_1 - C_4 alkyl and C_1 - C_4 alkoxy;

R_5 is hydrogen; C_1 - C_6 alkyl or halo- C_1 - C_6 alkyl; or an unsubstituted or substituted alkyl group; or forms, taken together with R_6 or with a monovalent substituent attached to that atom of R_6 , via which atom R_6 is directly connected with the carbon atom, shown in the formula I, which carries R_5 , one additional bond;

R_6 and R_7 , taken together, form, together with the two carbon atoms, shown in the formula I, to which atoms they are attached, a bicyclic ring system, which ring system is carbocyclic or heterocyclic, which ring system is substituted, in the manner shown in the formula I, by the four substituents $-N(R_2)-C(=Z_1)-R_1$, $-C(=Z_2)-N(R_3)-R_4$, R_5 and R_8 , and which ring system is optionally further substituted;

and R_8 is hydrogen; or an unsubstituted or substituted C_1 - C_6 alkyl group; or forms, taken together with R_5 or with a monovalent substituent attached to that atom of R_7 , via which atom R_7 is directly connected with the carbon atom, shown in the formula I, which carries R_8 , one additional bond, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

2. (Original) A compound according to claim 1 of the formula I, in which Z_1 is an oxygen atom, or, where appropriate, a tautomer thereof.

3. (Original) A compound according to claim 1 of the formula I, in which Z_2 is an oxygen atom, or, where appropriate, a tautomer thereof.

4. (Original) A compound according to claim 1 of the formula I, in which R₁ is a phenyl, pyridyl or pyrazolyl group, which is unsubstituted or substituted, or, where appropriate, a tautomer thereof.
5. (Original) A compound according to claim 4 of the formula I, in which R₁ is a pyrazol-5-yl group, which is substituted in the 3-position by halogen, halo-C₁-C₆alkyl or halo-C₁-C₆alkoxy and in the 1-position by a pyrid-2-yl group, which group is substituted in the 3-position by chlorine or bromine, or, where appropriate, a tautomer thereof.
6. (Original) A compound according to claim 1 of the formula I, in which R₂ is hydrogen or C₁-C₆alkyl, or, where appropriate, a tautomer thereof.
7. (Original) A compound according to claim 1 of the formula I, in which R₃ is hydrogen or C₁-C₆alkyl, or, where appropriate, a tautomer thereof.
8. (Original) A compound according to claim 1 of the formula I, in which R₄ is C₁-C₆alkyl, or, where appropriate, a tautomer thereof.
9. (Original) A compound according to claim 1 of the formula I, in which R₅ and R₈, taken together, are a bond, or, where appropriate, a tautomer thereof.
10. (Original) A compound according to claim 1 of the formula I, in which the two carbon atoms, shown in the formula I, to which atoms R₆ and R₇ are attached, are two ring members of an aromatic ring, or, where appropriate, a tautomer thereof.
11. (Original) A pesticidal composition, which comprises at least one compound according to claim 1 of the formula I or, where appropriate, a tautomer thereof, in each case in free form or in agrochemically utilizable salt form, as active ingredient and at least one auxiliary.

12. (Original) A composition according to claim 11 for controlling insects or representatives of the order Acarina.

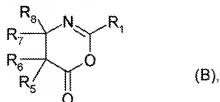
13. (Original) A method for controlling pests, which comprises applying a composition according to claim 11 to the pests or their environment.

14. (Original) A method according to claim 13 for controlling insects or representatives of the order Acarina.

15. (Original) A method according to claim 13 for the protection of plant propagation material from the attack by pests, which comprises treating the propagation material or the site, where the propagation material is planted.

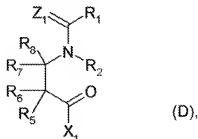
16. (Original) Plant propagation material treated in accordance with the method described in claim 15.

17. (Original) A compound of the formula B



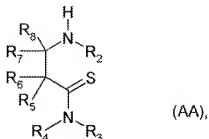
in which R₁, R₅, R₆, R₇ and R₈ have the meanings given in claim 1 for the formula I, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

18. (Original) A compound of the formula D



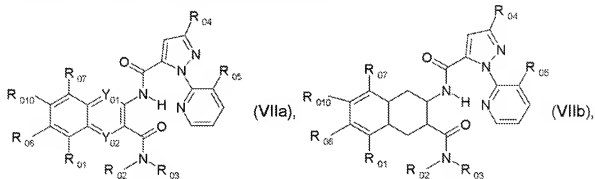
in which Z₁, R₁, R₂, R₅, R₆, R₇ and R₈ have the meanings given in claim 1 for the formula I; and R is OH, C₁-C₄alkoxy or Cl, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

19. (Original) A compound of the formula AA



in which R₂, R₃, R₄, R₅, R₆, R₇ and R₈ have the meanings given in claim 1 for the formula I, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

20. (New) Compounds of formulae VIIa and VIIb



wherein

R₀₁ is hydrogen; amino or nitro;

R₀₂ is hydrogen or C₁-C₄alkyl;

R₀₃ is C₁-C₄alkyl, C₁-C₄alkyl mono- or disubstituted by cyano, COOH, nitro, C₁-C₄alkoxy or cyclopropyl; C₂-C₈alkenyl, C₂-C₈alkenyl substituted by halogen; C₁-C₄alkoxy, C₃-C₆-alkinyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropyl substituted by C₁-C₄alkyl, pyridyl, phenyl-C₂-C₆alkenyl or cyclopropyl; cyclobutyl substituted by C₁-C₄alkyl; cyclopentylthio-C₁-C₄alkyl, benzyloxy, benzyloxy substituted by halogen; benzylthio-C₁-C₄alkyl, wherein the benzyl group may itself be substituted by C₁-C₄alkyl; thiophenyl

substituted by halophenyl; phenoxy-C₁-C₄alkyl, wherein the phenyl group may be mono- or disubstituted by halogen; phenyl-C₁-C₄alkyl, wherein the phenyl group may itself be mono- or disubstituted by substituents selected from halogen, nitro, benzothiazol-2-yloxy, C₁-C₄haloalkyl, C₁-C₄alkoxy and C₁-C₄alkyl; 3,4-dihydro-2H-benzo[b][1,4]dioxepinyl, 1,2,3,4-tetrahydro-naphthalenyl substituted by C₁-C₄alkoxy; C₂-C₆alkenyloxy, isoxazolyl substituted by C₁-C₄alkyl; thiazolyl, C₁-C₄alkoxycarbonyl-C₁-C₄alkyl, phenyl substituted by hydroxy, halophenyloxy, C₁-C₄alkyl-silyl(C₁-C₄alkyl)₃ or C₂-C₆alkinyl; pyridyl substituted by C₁-C₄alkoxy; C₁-C₆alkylthio-C₁-C₄alkyl, C₂-C₆alkenylthio-C₁-C₄alkyl, C₃-C₆alkinylthio-C₁-C₄alkyl, dioxolan-2-yl-C₁-C₄alkyl, (C₁-C₄alkyl-dioxolan-2-yl)-C₁-C₄alkyl, triazolyl-C₁-C₄alkyl, thienyl-C₁-C₄alkyl, morpholinyl-C₁-C₄alkyl, C₁-C₄alkylthio-C₁-C₄alkyl, 2,3-dihydro-1H-isoindolyl, halo-substituted-thiazolyl-C₁-C₄alkyl, C₁-C₄alkylsulfonyl-C₁-C₄alkyl or quinolylthio-C₁-C₄alkyl, wherein the quinoline group may be substituted by C₁-C₄haloalkyl;

R₀₄ is C₁-C₄haloalkyl;

R₀₅ is halogen;

each of R₀₆ and R₀₁₀, which may be the same or different, represents hydrogen, C₁-C₆alkyl, C₁-C₆alkoxycarbonyloxy, C₁-C₆alkylcarbonylamino, hydroxy, cyano, halogen or C₁-C₆alkoxy;

R₀₇ is hydrogen, nitro or halogen;

Y₀₁ is C(R₀₈), sulfur, nitrogen or a chemical bond;

R₀₈ is hydrogen, halogen, C₁-C₄alkyl or nitro; and

Y₀₂ is C(R₀₉), a chemical bond, or is nitrogen or sulfur; and R₀₉ is hydrogen, phenyl, phenyl substituted by halogen, or halogen.